

**METHOD FOR DETERMINING THE INFORMATION CAPACITY OF A PAPER
CHANNEL AND FOR DESIGNING OR SELECTING A SET OF BITMAPS
REPRESENTATIVE OF SYMBOLS TO BE PRINTED ON SAID CHANNEL**

Abstract of the Disclosure

5 A method for determining the information loss or conditional entropy in a paper
channel where an imager produces an output from symbols printed on a substrate and
a paper channel designed in accordance with such method. A parametric, statistical
model of the channel is chosen. Test patterns are then transmitted through the channel
to determine optimal parameter values for the model. These values are the used in the
10 model to estimate the information loss in the channel. This information loss is used as
a figure of merit in making design choices for the paper channel.